



## NATIONAL INSTITUTES OF HEALTH

IN REPLYING ADDRESS THE  
NATIONAL INSTITUTE OF MENTAL HEALTH  
ADDICTION RESEARCH CENTER  
U.S. PUBLIC HEALTH SERVICE HOSPITAL  
P. O. BOX 2000  
LEXINGTON, KENTUCKY

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I am enclosing copy of a report "Effect of Epinephrine on the LSD Reaction." You will notice that we were unable to either accentuate or inhibit the LSD reaction by injection of 0.4-0.6 mg. epinephrine /70 kg. subcutaneously. Taken in conjunction with our failure to block the mental effects of LSD with Dibenzyliline, I feel that these data are a further indication that the adenergic hypothesis of the LSD reaction must be questioned rather strenuously.

Preliminary assessment of four materials received from the Sandoz Company has now been completed. Three of the materials proved to be psychotomimetic agents, though weaker than LSD. The doses approximately equivalent to 1.0-1.5 mcg./kg. of LSD are: LSM, 6-9 mcg./kg.; DAM-57, 10-15 mcg./kg.; LPD-824, 10-15 mcg./kg. A more extensive study of these three materials is now underway.

DLO-57 did not induce any psychotomimetic changes, even in doses of 100 mcg./kg. A further direct investigation of this particular compound is therefore being dropped. Possibly, potential cross-tolerance between it and LSD might be studied at some future date.

I am enclosing thermofax copies of material concerning other LSD congeners which have been forwarded to me by the Sandoz Company.

Please let us know if there is any way in which we can assist you with your program.

Yours very sincerely,

*Harris Isbell*  
Harris Isbell, M.D.  
Director

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Enclosures

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